



# ENHANCED – TRAY RATION HEATER SYSTEM (E-TRHS)



## WHAT IT IS:

The proposed E-TRHS is a Marine Corps group field feeding platform designed to provide operational support necessary to feed 250 personnel. The E-TRHS will consist of the following equipment items: the Tray Ration Heater System, two M-59 Field Ranges (using Powered Multi-Fuel Burners), the QuadCon Refrigerated Container System (QRCS), a three sink system, tentage, and associated equipment such as tables, pan carriers, etc. The QRCS is a QuadCon-sized refrigerator/freezer that is used to store up to 1,500 portions of perishable component for the UGR-A ration.

## WHY IT IS NEEDED:

The E-TRHS is required to fulfill a logistical gap between providing Marines Operational Rations, such as Meals Ready-to-Eat (MREs) and ultimately utilizing Marine or Army Log CAP serving Unitized Group Ration (UGR) - As or the 14 or 21-day CONOPS A-Ration Menu. It will support requirements to prepare and serve both UGR-Heat and Serve (H&S) and UGR-A menu items. The E-TRHS will permit a full range of food preparation methods such as boiling, simmering, steaming, frying, grilling, roasting, and baking.

## HOW IT WORKS:

The E-TRHS will allow preparation of UGR-H&S in both a mobile or static configuration and/or UGR - A in a static location. The photos depict the proposed operational and travel configurations for the E-TRHS. All the components of the E-TRHS will be transported within a QuadCon container. After transport to the site the equipment within the QuadCon will be emptied and the container will operate as a refrigerator/freezer.

## BENEFITS:

- Capable of supporting forward feeding with multiple deployment scenarios.
- Supports preparation of complete UGR-A menus for all seven breakfast and fourteen lunch/dinner items.
- Stores refrigerated rations at temperatures from 33 to 40°F and frozen rations at temperatures from -5 to 32°F in ambient environment up to 122°F.

## STATUS:

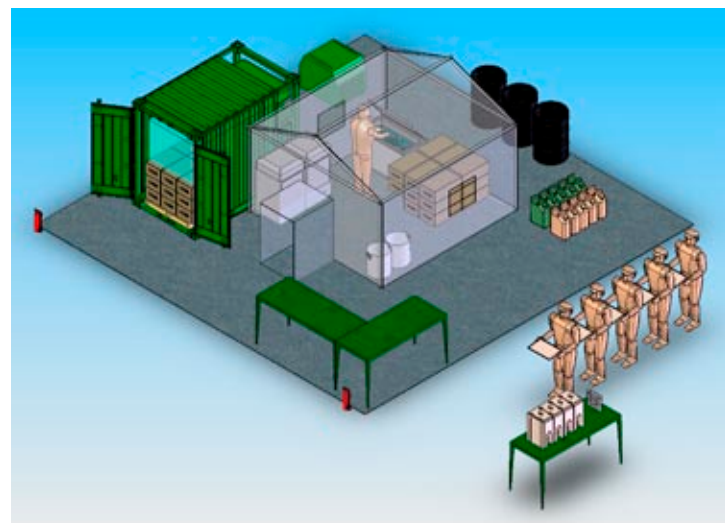
- A User Evaluation of the proposed system is scheduled for 1Q07 at Camp Lejeune.
- Based on the results of a user evaluation the final design will be procured and available for Fleet use in FY08.

## POINT OF CONTACT:

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